

FILE

059101

Date Out EFB:

FEB 2 1983

TO: Jay Ellenberger
Product Manager 12
TS-767

FROM: Emil Regelman,
Acting Chief
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division

R

Attached please find the environmental fate review of:

Reg./File No.: 464-448

Chemical: Chlorpyrifos

Type Product: Insecticide

Product Name Lorsban 4E

Company Name DOW Chemical Co.

Submission Purpose: Application for registration of new use
on grapes

ZBB Code: (3)(c)(7)

ACTION CODE: 335

Date in: 11/23/82

EFB # 79

Date Completed: 2/2/83

TAIS (level II) Days

63

0.5

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

1.0 INTRODUCTION

Dow Chemical Company has submitted an application for registration of the insecticide Lorsban 4E (Chlorpyrifos as a.i.) for use on grapes for control of the grape root borer.

Chlorpyrifos is currently registered for use on certain field, fruit, nut and vegetable crops.

1.1 Chemical

Common name: Chlorpyrifos

Chemical name: O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate

2.0 DIRECTIONS FOR USE

Grapes: Use Lorsban 4E insecticide for control of grape root borer by application just before the pest emerges from the soil. Mix 4 $\frac{1}{2}$ pints of Lorsban 4E with 100 gallons of water and apply 2 quarts of the diluted spray mixture to the soil surface on a 15-square foot area around the base of each vine. Do not allow spray to contact fruit or foliage.

Restrictions: Do not make more than one application per season or apply within 35 days before harvest. Based on available residue data, the use of Lorsban 4E on grapes is restricted to states East of the Rocky Mountains.

3.0 DISCUSSION OF DATA

No new data were submitted. Adequate environmental fate data have been previously reviewed and accepted by EFB. Rotational crop data are not necessary since grape vineyards are not rotated.

2

4.0 RECOMMENDATIONS

The environmental fate of chlorpyrifos has been adequately described for conditional registration of the proposed additional use on grapes.



Clinton Fletcher
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division